

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method of preparing an aliphatic polymer having a ketone group in a main chain thereof, wherein polyhydric alcohol which contains a secondary alcohol group and a primary alcohol group in a single molecule ~~as and is~~ a raw material of the aliphatic polymer is polymerized in the presence of a catalyst.
2. (Original) The method of preparing an aliphatic polymer having a ketone group in a main chain thereof according to claim 1, wherein the catalyst is an oxidation catalyst for a hydroxyl group of the polyhydric alcohol.
3. (Original) The method of preparing and aliphatic polymer having a ketone group in a main chain thereof according to claim 1; wherein the catalyst is a dehydration catalyst for a hydroxyl group of the polyhydric alcohol.
4. (Original) The method of preparing an aliphatic polymer having a ketone group in a main chain thereof according to claim 2, wherein the polyhydric alcohol is polyether polyol.
5. (Original) The method of preparing an aliphatic polymer having a ketone group in a main chain thereof according to claim 1, wherein the catalyst is an aqueous solution.
6. (Original) The method of preparing an aliphatic polymer having a ketone group in a main chain thereof according to claim 1, wherein the catalyst is volatile.
7. (Original) The method of preparing an aliphatic polymer having a ketone group in a main chain thereof according to claim 1, wherein the catalyst is nonvolatile, and is thermally decomposed at a temperature equal to or lower than the decomposition temperature of the aliphatic polymer having a ketone group in a main chain thereof.

8. (Original) The method of preparing an aliphatic polymer having a ketone group in a main chain thereof according to claim 1, wherein the catalyst is sulfuric acid.
9. (Original) The method of preparing an aliphatic polymer having a ketone group in a main chain thereof according to claim 1, wherein the catalyst is sulfuric acid.
10. (Canceled)
11. (Original) The method of preparing an aliphatic polymer having a ketone group in a main chain thereof according to claim 1, wherein the polyhydric alcohol is glycerin.
12. (Original) The method of preparing an aliphatic polymer having a ketone group in a main chain thereof according to claim 1, wherein a mixture of the polyhydric alcohol and a diol compound is used as a raw material to polymerize the polyhydric alcohol and the diol compound.
13. (Original) The method of preparing an aliphatic polymer having a ketone group in a main chain thereof according to claim 1, wherein the raw material is heated during polymerization.
14. (Original) The method of preparing an aliphatic polymer having a ketone group in a main chain thereof according to claim 1, wherein the raw material is heated by an electromagnetic wave during polymerization.
15. (Original) The method of preparing an aliphatic polymer having a ketone group in a main chain thereof according to claim 1, wherein the polymerization is conducted such that a hydroxyl group remains in a resultant polymer.
16. (Currently Amended) A method of preparing a composition containing an aliphatic polymer having a ketone group in a main chain thereof, comprising ~~a step of~~ polymerizing polyhydric alcohol which contains a secondary alcohol group and a primary

alcohol group in a single molecule as and is a raw material of the aliphatic polymer in the presence of a catalyst.

17. (Original) The method of preparing a composition containing an aliphatic polymer having a ketone group in a main chain thereof according to claim 16, wherein the catalyst is an oxidation catalyst for a hydroxyl group of the polyhydric alcohol.

18. (Original) The method of preparing a composition containing an aliphatic polymer having a ketone group in a main chain thereof according to claim 16, wherein the catalyst is a dehydration catalyst for a hydroxyl group of the polyhydric alcohol.

19. (Original) The method of preparing a composition containing an aliphatic polymer having a ketone group in a main chain thereof according to claim 17, wherein the polyhydric alcohol is polyether polyol.

20. (Original) The method of preparing a composition containing an aliphatic polymer having a ketone group in a main chain thereof according to claim 16, wherein the catalyst is an aqueous solution.

21. (Original) The method of preparing a composition containing an aliphatic polymer having a ketone group in a main chain thereof according to claim 16, wherein the catalyst is volatile.

22. (Original) The method of preparing a composition containing an aliphatic polymer having a ketone group in a main chain thereof according to claim 16, wherein the catalyst is nonvolatile, and is thermally decomposed at a temperature equal to or less than the decomposition temperature of the aliphatic polymer having a ketone group in a main chain thereof.

23. (Original) The method of preparing a composition containing an aliphatic polymer having a ketone group in a main chain thereof according to claim 16, wherein the

catalyst contains at least one selected from sulfuric acid, nitric acid, hydrogen peroxide, $\text{Na}_2\text{Cr}_2\text{O}_7$, CrO_3Cl and NaOCl .

24. (Original) The method of preparing a composition containing an aliphatic polymer having a ketone group in a main chain thereof according to claim 16, wherein the catalyst is sulfuric acid.

25. (Canceled)

26. (Original) The method of preparing a composition containing an aliphatic polymer having a ketone group in a main chain thereof according to claim 16, wherein the polyhydric alcohol is glycerin.

27. (Original) The method of preparing a composition containing an aliphatic polymer having a ketone group in a main chain thereof according to claim 16, wherein a mixture of the polyhydric alcohol and a diol compound is used as a raw material to polymerize the polyhydric alcohol and the diol compound.

28. (Original) The method of preparing a composition containing an aliphatic polymer having a ketone group in a main chain thereof according to claim 16, wherein the raw material is heated during polymerization.

29. (Original) The method of preparing a composition containing an aliphatic polymer having a ketone group in a main chain thereof according to claim 16, wherein the raw material is heated by an electromagnetic wave during polymerization.

30. (Original) The method of preparing a composition containing an aliphatic polymer having a ketone group in a main chain thereof according to claim 16, wherein the raw material is polymerized such that a hydroxyl group remains in a resultant polymer to obtain a gel substance, and the gel substance is supplied onto a substrate, and then heated and hardened.

31. (Original) The method of preparing a composition containing an aliphatic polymer having a ketone group in a main chain thereof according to claim 16, wherein the polyhydric alcohol and an electrically conductive powder are used as the raw material.

32. (Original) The method of preparing a composition containing an aliphatic polymer having a ketone group in a main chain thereof according to claim 31, wherein the electrically conductive powder is metal particles.

33. (Original) The method of preparing a composition containing an aliphatic polymer having a ketone group in a main chain thereof according to claim 31, wherein the electrically conductive powder is at least one of carbon nanotubes and carbon nanotubes modified by a functional group.

34. (Original) The method of preparing a composition containing an aliphatic polymer having a ketone group in a main chain thereof according to claim 31, wherein the electrically conductive powder is carbon nanotubes modified by a functional group with which the polyhydric alcohol is polymerized.

35. (Original) The method of preparing a composition containing an aliphatic polymer having a ketone group in a main chain thereof according to claim 34, wherein the functional group is carboxylic acid.